

METHOD OF PREPARING A PROTEIN ARRAY BASED ON  
BIOCHEMICAL PROTEIN-PROTEIN INTERACTION

ABSTRACT OF THE DISCLOSURE

5 A method of preparing a protein array based on biochemical  
protein-protein interaction is provided. An array of a  
first protein which comprises a PDZ domain is deposited on  
a substrate. A second protein, which comprises an amino  
acid sequence (S/T)-X-(V/I/L)-COOH (each hyphen represents  
10 a peptide bond, each parenthesis encloses amino acids which  
are alternatives to one other, each slash within such  
parentheses separates the alternative amino acids, and the  
X represents any amino acid which is selected from the  
group comprising the twenty naturally occurring amino  
15 acids), is applied to the first protein array. The amino  
acid sequence (S/T)-X-(V/I/L)-COOH of the second protein is  
bound to the PDZ domain of the first protein.